

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/543,017
Source: 08/02/2005
Date Processed by STIC: PCT

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/543,017

TIME: 15:04:05

Input Set : A:\66828-017.TXT

Output Set: N:\CRF4\08022005\J543017.raw

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4 <110> APPLICANT: Spencer, Douglas S.
5     Melki, John R.
6     Grigg, Geoffrey W.
7     Miklos, George L.
9 <120> TITLE OF INVENTION: Assay for detecting methylation changes
10    in nucleic acids using an intercalating nucleic acid
13 <130> FILE REFERENCE: 66828-017
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/543,017
C--> 15 <141> CURRENT FILING DATE: 2005-07-22
15 <150> PRIOR APPLICATION NUMBER: PCT/UA04/000083
16 <151> PRIOR FILING DATE: 2004-01-23
18 <160> NUMBER OF SEQ ID NOS: 38
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 24
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
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31 <211> LENGTH: 23
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33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 2
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38 <210> SEQ ID NO: 3
39 <211> LENGTH: 23
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
43 <400> SEQUENCE: 3
44 cctaaaaacc gctaacgaca cta                23
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48 <212> TYPE: DNA
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 4
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54 <210> SEQ ID NO: 5
55 <211> LENGTH: 27
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 5
60 ttgtgtgttt gtttattttt taggttt                27

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62 <210> SEQ ID NO: 6
63 <211> LENGTH: 26
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 6
68 aacctaatac taccaattaa ccccat 26
70 <210> SEQ ID NO: 7
71 <211> LENGTH: 29
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 7
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78 <210> SEQ ID NO: 8
79 <211> LENGTH: 26
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 8
84 actaaaaact ctaaaaaccc catccc 26
86 <210> SEQ ID NO: 9
87 <211> LENGTH: 21
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 9
92 yatcyggcyg cgcyacyta y 21
94 <210> SEQ ID NO: 10
95 <211> LENGTH: 15
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 10
100 ctaacgcgcc gaaac 15
102 <210> SEQ ID NO: 11
103 <211> LENGTH: 110
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
107 <400> SEQUENCE: 11
108 agggaatttt tttttgtgat gttttggtgt gttagtttgt tgtgtatatt ttgttgtggt 60
109 tttttttttg gtttttttgg ttagttgtgt ggtgattttg gggatttttag 110
111 <210> SEQ ID NO: 12
112 <211> LENGTH: 110
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 12
117 agggaatttt ttttcgcgat gtttcggcgc gttagttcgt tgcgtatatt tcgttcgcgt 60
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121 <211> LENGTH: 26
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 13

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126 aaactaacac accaaaacat cacaaa                26
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129 <211> LENGTH: 26
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133 <400> SEQUENCE: 14
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137 <211> LENGTH: 21
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139 <213> ORGANISM: Homo sapiens
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145 <211> LENGTH: 16
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147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 16
150 atcgccgcgc aactaa                          16
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165 <400> SEQUENCE: 18
166 aggggaatttt ttttcgcgat gtttcggcgc gttagttcgt tgcgtatatt tcgttcgggt    60
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170 <211> LENGTH: 25
171 <212> TYPE: DNA
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174 <400> SEQUENCE: 19
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178 <211> LENGTH: 25
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
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183 gtttattaag atgttttata tttta                25
185 <210> SEQ ID NO: 21
186 <211> LENGTH: 25
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 21

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191 tttttg gatg ttcgggtttt ttttag	25
193 <210> SEQ ID NO: 22	
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198 <400> SEQUENCE: 22	
199 tttttg gatg ttgggtttt ttttag	25
201 <210> SEQ ID NO: 23	
202 <211> LENGTH: 25	
203 <212> TYPE: DNA	
204 <213> ORGANISM: Homo sapiens	
206 <400> SEQUENCE: 23	
207 ttgggttttt gcgttttagga ggttt	25
209 <210> SEQ ID NO: 24	
210 <211> LENGTH: 25	
211 <212> TYPE: DNA	
212 <213> ORGANISM: Homo sapiens	
214 <400> SEQUENCE: 24	
215 ttgggttttt gtgttttagga ggttt	25
217 <210> SEQ ID NO: 25	
218 <211> LENGTH: 25	
219 <212> TYPE: DNA	
220 <213> ORGANISM: Homo sapiens	
222 <400> SEQUENCE: 25	
223 gtaattagtt acggaatttt gaggt	25
225 <210> SEQ ID NO: 26	
226 <211> LENGTH: 25	
227 <212> TYPE: DNA	
228 <213> ORGANISM: Homo sapiens	
230 <400> SEQUENCE: 26	
231 gtaattagtt atggaatttt gaggt	25
233 <210> SEQ ID NO: 27	
234 <211> LENGTH: 25	
235 <212> TYPE: DNA	
236 <213> ORGANISM: Homo sapiens	
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241 <210> SEQ ID NO: 28	
242 <211> LENGTH: 25	
243 <212> TYPE: DNA	
244 <213> ORGANISM: Homo sapiens	
246 <400> SEQUENCE: 28	
247 gaaaagggtta gtgttggttt taaat	25
249 <210> SEQ ID NO: 29	
250 <211> LENGTH: 25	
251 <212> TYPE: DNA	
252 <213> ORGANISM: Homo sapiens	
254 <400> SEQUENCE: 29	
255 ttagtttggt gcggattaaa atata	25

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257 <210> SEQ ID NO: 30
258 <211> LENGTH: 25
259 <212> TYPE: DNA
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265 <210> SEQ ID NO: 31
266 <211> LENGTH: 25
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 31
271 tttatttttg tcgtgaattt aggga 25
273 <210> SEQ ID NO: 32
274 <211> LENGTH: 25
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
278 <400> SEQUENCE: 32
279 tttatttttg ttgtgaattt aggga 25
281 <210> SEQ ID NO: 33
282 <211> LENGTH: 25
283 <212> TYPE: DNA
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 33
287 gaagggttaat ttcgtttggt tgagt 25
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290 <211> LENGTH: 25
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 34
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298 <211> LENGTH: 25
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308 <213> ORGANISM: Homo sapiens
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314 <211> LENGTH: 25
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316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 37
319 ttattgagtt gtgggagttg gtatt 25
321 <210> SEQ ID NO: 38

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VERIFICATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/543,017

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Input Set : A:\66828-017.TXT

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date